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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/888,468	06/25/2001	Andrew Dunshea	AUS920010436US1	8684

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EXAMINER	
ELMORE, REBA I	

ART UNIT	PAPER NUMBER
2187	

DATE MAILED: 04/27/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No.	Applicant(s)	
	09/888,468	DUNSHEA ET AL.	
	Examiner	Art Unit	
	Reba I. Elmore	2187	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☒ Responsive to communication(s) filed on *21 March 2005*.

2a)☒ This action is **FINAL**. 2b)☐ This action is non-final.

3)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4)☒ Claim(s) *1,2,5-8,11-14,17-20,23 and 24* is/are pending in the application.

4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5)☐ Claim(s) _____ is/are allowed.

6)☒ Claim(s) *1,2,5-8,11-14,17-20,23 and 24* is/are rejected.

7)☐ Claim(s) _____ is/are objected to.

8)☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9)☐ The specification is objected to by the Examiner.

10)☐ The drawing(s) filed on _____ is/are: a)☐ accepted or b)☐ objected to by the Examiner.

Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12)☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

a)☐ All b)☐ Some * c)☐ None of:

1.☐ Certified copies of the priority documents have been received.

2.☐ Certified copies of the priority documents have been received in Application No. _____.

3.☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) ☐ Notice of References Cited (PTO-892)
2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date _____.
4) ☐ Interview Summary (PTO-413) Paper No(s)/Mail Date. _____.
5) ☐ Notice of Informal Patent Application (PTO-152)
6) ☐ Other: _____.

DETAILED ACTION

1. Claims 1-2, 5-8, 11-14, 17-20 and 23-24 are presented for examination. Claims 3-4, 9-10, 15-16 and 21-22 have been canceled by the amendment filed March 21, 2005.

DRAWINGS

2. The objections drawings are ***withdrawn*** due to the amendment.

SPECIFICATON

3. The objection to the disclosure is ***withdrawn***.

4. The specification has not been checked to the extent necessary to determine the presence of all possible minor errors. Applicant's cooperation is requested in correcting any errors of which applicant may become aware in the specification.

35 USC § 112, 2nd PARAGRAPH

5. The rejection to claim 9 is ***withdrawn*** due to the amendment which canceled claim 9.

35 USC § 102

6. The rejection of claims 3-4, 9-10, 15-16 and 21-22 as being anticipated by Aggarwal et al. is ***withdrawn*** due to the amendment which canceled these claims.

7. The rejection of claims 1-2, 5-8, 11-14, 17-20 and 23-24 as being anticipated by Aggarwal et al. is ***maintained*** and repeated below.

8. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

> A person shall be entitled to a patent unless –
>
> (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

9. Claims 1-2, 5-8, 11-14, 17-20 and 23-24 are rejected under 35 U.S.C. 102(b) as being anticipated by Aggarwal et al.

10. Aggarwal teaches the present invention (claim 1) as claimed including a method to control caching of URL information included in a response as part of the PICS protocol used to communicate caching status in web based communication (e.g., see col. 3, line 37 to col. 4, line 37), the method comprising the steps of:

indicating in the response which of one or more cache proxies is to cache the URL information as determining which of the cache proxies the URL information will be stored for the hierarchy (e.g., see col. 5, line 50 to col. 6, line 14); and,

transmitting the response to the one or more cache proxies of the URL information (e.g., see col. 6, lines 40-60).

As to claim 2, Aggarwal teaches the response includes a URL comprising a significant portion identifier that specifies the portion of the URL that is to be used as a key for the URL information as caching hierarchy labels (e.g., see col. 6, lines 40-60).

11. Aggarwal teaches the present invention (claim 5) as claimed including a method of managing a cache of a response having a URL, URL information associated with the URL, and a header, the method comprising the steps of:

identifying a cache proxy as serving a cache manager of the URL (e.g., see Figure 2a and col. 7, line 56 to col. 8, line 25); and,

indicating in the header whether the URL information is to be cached, is not to be cached, is to be cached by the cache proxy serving the cache manager, or is to be invalidated by the one

or more cache proxies as part of the caching information included in the PICS protocol (e.g., see col. 5, line 50 to col. 6, line 14).

As to claim 6, Aggarwal teaches the URL is a partial URL, wherein the partial URL comprises a significant portion identifier that specifies the portion of the URL that is to be used as a key (e.g., see col. 5, line 58 to col. 6, line 14).

12. Aggarwal teaches the present invention (claim 7) as claimed including a method to control caching of URL information associated with one or more URLs in a response as part of the PICS protocol used to communicate caching status in web based communication (e.g., see col. 3, line 37 to col. 4, line 37), the method comprising the steps of:

identifying a cache proxy as serving a cache manager for one or more URLs (e.g., see Figure 2a and col. 7, line 56 to col. 8, line 25);

receiving by a first cache proxy the response comprising a header and the one or more URLs, the header comprising an indication of whether the URL information is to be cached, invalidated, or only cached by the cache proxy serving the cache manager as part of the caching information included in the PICS protocol (e.g., see col. 5, line 50 to col. 6, line 14);

in response to receiving a header comprising an indication that the URL information is to be cached, storing the URL information in the cache (e.g., see col. 8, lines 42-58);

in response to receiving a header comprising an indication that the URL information is to be cached only by the cache proxy serving the cache manager, determining whether the first cache proxy is the cache proxy serving the cache manager (e.g., see Figure 2a and col. 7, line 56 to col. 8, line 25);

in response to determining the first cache proxy is the cache proxy serving the cache manager, storing the URL information in the cache (e.g., see Figure 2a and col. 7, line 56 to col. 8, line 25);

in response to determining the first cache proxy is not the cache proxy serving the cache manager, sending the response to the cache proxy serving the cache manager (e.g., see Figure 2a and col. 7, line 56 to col. 8, line 25); and,

in response to receiving a header comprising an indication that the URL information is to be invalidated, preventing the use of the URL information in cache in response to a second request as determining whether or not the URL information is obsolete (e.g., see col. 8, lines 42-58).

As to claim 8, Aggarwal teaches the one or more URLs comprise one or more partial URLs, and wherein the one or more partial URLs comprises a significant portion identifier identifying the portion of he one or more URLs that is to be used as a key (e.g., see col. 5, line 58 to col. 6, line 14).

13. Aggarwal teaches the present invention (claim 11) as claimed including a method to control caching URL information associated to one or more URLs of a response as part of the PICS protocol used to communicate caching status in web based communication (e.g., see col. 3, line 37 to col. 4, line 37), the method comprising the steps of:

receiving the response comprising a header, the one or more URLs and the URL information, the header having an indication of whether the URL information is to be invalidated as determining whether or not the URL information is obsolete (e.g., see col. 8, lines 42-58); and,

in response to receiving a header having an indication that the one or more URLs are to be invalidated, preventing the use of the cached URL information in response to a second request as determining whether or not the URL information is obsolete (e.g., see col. 8, lines 42-58).

As to claim 12, Aggarwal teaches the one or more URLs comprise one or more partial URLs, and wherein the one or more partial URLs comprises a significant portion identifier identifying the portion of the one or more URLs that is to be used as a key (e.g., see col. 5, line 58 to col. 6, line 14).

14. Aggarwal teaches the present invention (claim 13) as claimed including an apparatus adapted to control caching of URL information included in a response as part of the PICS protocol used to communicate caching status in web based communication (e.g., see col. 3, line 37 to col. 4, line 37), the apparatus comprising:

means for indicating in the response which of one or more cache proxies is to cache the URL information as part of the caching decision information (e.g., see Figure 2a and col. 7, line 50 to col. 8, line 25), and,

means for transmitting the response to the one or more cache proxies as a means for passing down the caching decision (e.g., see Figure 2a and col. 7, line 50 to col. 8, line 25).

As to claim 14, Aggarwal teaches the response includes a URL comprising a significant portion identifier that specifies the portion of the URL that is to be used as a key for the URL information (e.g., see col. 5, line 58 to col. 6, line 14).

15. Aggarwal teaches the present invention (claim 17) as claimed including an apparatus adapted to manage a cache of a response having a URL, URL information associated with the URL, and a header, the apparatus comprising:

means for identifying a cache proxy as serving a cache manager for the URL (e.g., see Figure 2a and col. 7, line 56 to col. 8, line 25); and,

means for indicating in the header whether the URL information is to be cached, is not to be cached, is to be cached by the cache proxy serving the cache manager, or is to be invalidated by the cache proxy (e.g., see Figure 2a and col. 7, line 56 to col. 8, line 25).

As to claim 18, Aggarwal teaches the URL is a partial, wherein the partial URL comprises a significant portion identifier that specifies the portion of the URL that is to be used as a key (e.g., see col. 5, line 58 to col. 6, line 14).

16. Aggarwal teaches the present invention (claim 19) as claimed including an apparatus adapted to control caching of URL information associated with one or more URLs of a response as part of the PICS protocol used to communicate caching status in web based communication (e.g., see col. 3, line 37 to col. 4, line 37), the apparatus comprising:

means for identifying a cache proxy as serving a cache manager for the one or more URLs (e.g., see Figure 2a and col. 7, line 56 to col. 8, line 25);

means for receiving by a first cache proxy the response comprising a header and the one or more URLs, the header having an indication of whether the URL information is to be cached, invalidated, or cached by the cache proxy serving the cache manager (e.g., see Figure 2a and col. 7, line 56 to col. 8, line 25);

in response to receiving a header comprising an indication that the URL information is to be cache, means for storing the URL information in the cache (e.g., see Figure 2a and col. 7, line 56 to col. 8, line 25);

in response to receiving a header comprising an indication that the URL information is to be cached by the cache proxy serving the cache manager, means for determining whether the first cache proxy is the cache proxy serving the cache manager (e.g., see Figure 2a and col. 7, line 56 to col. 8, line 25);

in response to determining the first cache proxy is the cache proxy serving the cache manager, means for storing the URL information in the cache (e.g., see Figure 2a and col. 7, line 56 to col. 8, line 25);

in response to determining the first cache proxy is not the cache proxy serving the cache manager, means for sending the response to the cache proxy serving the cache manager (e.g., see Figure 2a and col. 7, line 56 to col. 8, line 25); and,

in response to receiving a header comprising an indication that the URL information is to be invalidated, means for preventing the use of the URL information in cache in response to a second request (e.g., see Figure 2a and col. 7, line 56 to col. 8, line 25);

As to claim 20, Aggarwal teaches the one or more URLs comprise one or more partial URLs, and wherein the one or more partial URLS comprises a significant portion identifier identifying the portion of the one or more URLs that is to be used as a key (e.g., see col. 5, line 58 to col. 6, line 14).

17. Aggarwal teaches the present invention (claim 23) as claimed including an apparatus adapted to control caching of URL information associated to one or more URLs of a response as part of the PICS protocol used to communicate caching status in web based communication (e.g., see col. 3, line 37 to col. 4, line 37), the apparatus comprising:

means for receiving the response comprising a header, the one or more URLs, and the URL information, the header comprising an indication of whether the URL information is to be invalidated as a means for determining whether or not the URL information is obsolete (e.g., see col. 8, lines 42-58); and,

in response to receiving a header comprising an indication that the one or more URLs are to be invalidated, means for preventing the use of the cache URL information in response to a second request as determining whether or not the URL information is obsolete (e.g., see col. 8, lines 42-58).

As to claim 24, Aggarwal teaches the one or more URLs comprise one or more partial URLs, and wherein the one or more partial URLs comprises a significant portion identifier identifying the portion of the one or more URLs that is to be used as a key (e.g., see col. 5, line 58 to col. 6, line 14).

RESPONSE TO APPLICANT'S REMARKS

18. Applicant's arguments filed March 21, 2005 have been fully considered but they are not persuasive.

19. The argument that the time stamp indication and CHL information included in the URL header to indicate when the URL is obsolete and therefor not cacheable does not meet the claim language since this process takes place when the information is requested again as opposed to a first request of the URL, the claim language does not specify the conditions for the URL information is only in effect during a first access, therefor, any access which meets the actual claim language is a valid interpretation for applying the prior art. Additionally, some claims are directed toward other information being included in the URL header and not just invalidation

indicators including the ability to cache the URL. Since these claims use alternative language, only one of the conditions need to be met, not all of them. If the URL is cached by the server cache, it meets the broad recitation in the claims of 'is to be cached by the cache proxy' as the URL is cacheable unless otherwise indicated in the URL header.

FINALITY OF PROSECUTION

20. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

CONCLUSION

21. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Reba I. Elmore, whose telephone number is (571) 272-4192. The examiner can normally be reached on M-TH from 7:30am to 6:00pm, EST.

If attempts to reach the examiner by telephone are unsuccessful, the art unit supervisor for AU 2187, Donald Sparks, can be reached for general questions concerning this application at (571) 272-4201. Additionally, the official fax phone number for the art unit is (703) 746-7239.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Tech Center central telephone number is (571) 272-2100.

Reba I. Elmore
Primary Patent Examiner
Art Unit 2187

April 23, 2005